

Amendments to the Specification:

Please amend the specification as follows:

Beginning on page 4, amend the paragraph on line 34, as follows:

As will be explained later, the flow measurement system of this present invention allows the industrial monitoring of even highly pulsed flows, ~~combining~~ combining low price, simplicity of implementation and reliability. This flow measurement is performed in real time and takes account of the direction of the flow. In addition, the flow measurement system of this present invention is non-intrusive, and does not require calibration.